APPENDIX I.

SPECIFICATION AMENDMENTS:

Amend pages 26, 33 and 34 of the specification as set forth the following:

On page 26:

 Delete the paragraph beginning in indicated line 4 and ending in indicated line 6 and insert in its stead:

At a reactor temperature of 255°C, a pressure of 5 bar and a catalyst hourly space velocity of 0.27 kg/ $L_{\rm cat}$ h at a hydrogen: MA molar ratio of 85:1, a reaction effluent of the composition: 91% of GBL, 5% of THF, 1% of BDO and 1% of BSA SA

On pages 33 and 34:

Delete the text beginning on page 33 in indicated line 4 and ending on page 34 in indicated line
2 and insert in its stead:

The present invention relates to a process for preparing optionally Optionally alkyl-substituted 1,4-butanediol is prepared from Cadicarboxylic acids and/or of derivatives thereof by two-stage catalytic hydrogenation in the gas phase of Cadicarboxylic acids and/or of derivatives thereof having the following steps:

- a) catalytically hydrogenating introducing a gas stream of a the C4-dicarboxylic acid or of—a the derivative thereof at from 200 to 300°C and from 2 to 60 bar into in a first reactor and catalytically hydrogenating it in the gas phase to obtain a product which contains mainly optionally alkyl-substituted γ-butyrolactone;
- b) removing succinic anhydride from the product of ebtained in step a), preferably to a residual level of from < about 0.3 to 0.2% by weight;
- c) <u>catalytically hydrogenating introducing</u> the product stream obtained in <u>of</u> step b) <u>in</u> into a second reactor at a temperature of from 150°C to 240°C and a pressure of from 15 to 100 bar and estalytically hydrogenating it in the gas phase to <u>obtain</u> optionally alkyl-substituted 1,4-butanediol;

061129 - 6 -

- d) removing the desired product from intermediates, by-products and any unconverted reactants; and
- e) optionally recycling unconverted intermediates into one or both hydrogenation stages₇₋.

The catalysts employed in each of the said hydrogenation stages each using a catalyst which comprises $comprise \le 95\%$ by weight, preferably from 5 to 95% by weight, in particular from 10 to 80% by weight, of CuO, and $\ge 5\%$ by weight, preferably from 5 to 95% by weight, in particular from 20 to 90% by weight, of an oxidic support, and said the second reactor having has a higher pressure than said the first reactor.

061129 - 7 -